

WHAT IS CLAIMED IS:

1. A service disclosing and providing method
implemented in a case where first service providing means and
5 second service providing means located on a network have a
dependent relationship, said method comprising the steps of:

causing service disclosing means responsive to an
inquiry issued from service utilizing means to send back a
location of said first service providing means being under
10 disclosure, to said service utilizing means;

causing said first service providing means to receive
a service request sent from said service utilizing means and
to request said second service providing means to provide a
service by using a location of said second service providing
means being under non-disclosure; and
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causing said second service providing means to send
back requested information to said service utilizing means
via said first service providing means.

2. A service disclosing and providing method according
20 to claim 1, wherein said service request is a request for
acquisition of status information about a device, and a
response to the request is the status information about said
device.

3. A service disclosing and providing method according
25 to claim 1, wherein said service request is respective pieces

of information that a plurality of said second service providing means send back, and said first service providing means aggregates the respective pieces of information that said second service providing means send back, and responds
5 to said service utilizing means.

4. A service disclosing and providing method implemented in a case where first service providing means and second service providing means located on a network have a dependent relationship, said method comprising the steps of:
10 causing service utilizing means to request said first service providing means to provide a service by using a location of said first service providing means being under disclosure;

causing said first service providing means to accept
15 a service request sent from said service utilizing means and to request said second service providing means to provide a service by using a location of said second service providing means being under non-disclosure; and

causing said second service providing means to send
20 back requested information to said service utilizing means via said first service providing means.

5. A service disclosing and providing method according to claim 4, wherein said first service providing means controls a user's right accessing said second service providing means, the user relating to said service utilizing
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means.

6. A service disclosing and providing method according to claim 4, wherein said service request is a request for acquisition of status information about a device, and a
5 response to the request is the status information about said device.

7. A service disclosing and providing method according to claim 4, wherein said service request is respective pieces of information that a plurality of said second service
10 providing means send back, and said first service providing means aggregates the respective pieces of information that said second service providing means send back, and responds to said service utilizing means.

8. A service disclosing and providing method
15 implemented in a case where first service providing means and second service providing means located on a network have a dependent relationship, said method comprising the steps of:

causing said first service providing means to accept a service request sent from service utilizing means and issued
20 by using a location of said first service providing means being under disclosure and to request said second service providing means to provide a service by using a location of said second service providing means being under non-disclosure; and
causing said second service providing means to send
25 back requested information to said service utilizing means

via said first providing means.

9. A service disclosing and providing method according to claim 8, wherein said first service providing means controls a user's right accessing said second service
5 providing means, the user relating to said service utilizing means.

10. A service disclosing and providing method according to claim 8, wherein said service request is a request for acquisition of status information about a device, and a
10 response to the request is the status information about said device.

11. A first service providing program for, in a case where said first service providing program and a second service providing program located on a network have a
15 dependent relationship, causing one or more computers to realize a function of accepting a service request sent from a service utilizing device and issued using a location of said first service providing program being under disclosure, and a function of requesting said second service providing program
20 to provide a service by using a location of said second service providing program being under non-disclosure; and

said second service providing program for, in said case, causing the one or more computers to realize a function of sending back requested information to the service utilizing
25 device via said first service providing program.

12. A first service providing program according to
claim 11, wherein said first service providing program causes
said one or more computers to further realize a function of
controlling a user's right accessing said second service
5 providing program, the user relating to said service utilizing
device.

13. A first service providing program and a second
service providing program according to claim 11, wherein said
service request is a request for acquisition of status
10 information about a device, and a response to the request is
the status information about said device.

14. A program product comprising:
a service disclosing program for, in a case where a
first service providing program and a second service providing
15 program located on a network have a dependent relationship,
causing one or more computers to realize a function of sending
back a location of said first service providing program being
under disclosure to a service utilizing device in response
to an inquiry sent from said service utilizing device;
20 said first service providing program for, in said case,
causing said one or more computers to realize a function of
accepting a service request issued from said service utilizing
device, and a function of requesting said second service
providing program to provide a service by using a location
25 of said second service providing program being under non-

disclosure; and

said second service providing program for, in said case, causing said one or more computers to realize a function of sending back requested information to said service utilizing
5 device via said first service providing program.

15. A program product according to claim 14, wherein said service request is a request for acquisition of status information about a device, and a response to the request is the status information about said device.

10 16. A program product according to claim 14, wherein said service request is respective pieces of information that a plurality of said second service providing programs send back, and said first service providing program causes said one or more computers to realize a function of aggregating
15 the respective pieces of information that said second service programs send back, and responding to said service utilizing device.

17. A program product comprising:

a first service providing program for, in a case where
20 said first service providing program and a second service providing program located on a network have a dependent relationship, causing one or more computers to realize a function of accepting a service request sent from a service utilizing device and issued using a location of said first
25 service providing program being under disclosure, and a

function of requesting said second service providing program to provide services by using a location of said second service providing program being under non-disclosure; and

said second service providing program for, in said case,
5 causing said one or more computers to realize a function of sending back requested information to said service utilizing device via said first service providing program.

18. A program product according to claim 17, wherein
said first service providing program causes said one or more
10 computers to realize a function of controlling an access right to said second service providing program by a user related to said service utilizing device.

19. A program product according to claim 17, wherein
said service request is a request for acquisition of status
15 information about a device, and a response to the request is the status information about said device.